Vladyslav Seminko

List of Publications by Year
in descending order

21	196	1040056 9	1058476 14
papers	citations	h-index	g-index

21	21	21	172
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High antioxidant activity of gadoliniumâ€“yttrium orthovanadate nanoparticles in cell-free and biological milieu. Nanotechnology, 2022, 33, 055701.	2.6	9
2	Controlling luminescent and redox properties of nanoceria. Visnik Nacional Noi Academii Nauk Ukrai Ni, 2022, , 57-63.	0.3	0
3	UV-Light-Activated (Gd,Y)VO₄:Eu³⁺ Nanoparticles for Radiotherapy Enhancement. Journal of Physical Chemistry C, 2022, 126, 9371-9377.	3.1	2
4	Mechanism and Dynamics of Fast Redox Cycling in Cerium Oxide Nanoparticles at High Oxidant Concentration. Journal of Physical Chemistry C, 2021, 125, 4743-4749.	3.1	22
5	Switching the type of redox activity of colloidal nanoceria by Re3+ (ReÂ=ÂY, Eu, Tb) doping. Chemical Physics Letters, 2021, 767, 138363.	2.6	10
6	Catalytic Decomposition of Hypochlorite Anions by Ceria Nanoparticles Visualized by Spectroscopic Techniques. Journal of Physical Chemistry C, 2019, 123, 20675-20681.	3.1	11
7	Wavelengthâ€Selective Photoreduction of Colloidal CeO 2â€“ x Nanocrystals. Physica Status Solidi (B): Basic Research, 2019, 256, 1900325.	1.5	6
8	Janus-Faced Redox Activity of LnVO₄:Eu³⁺ (Ln = Gd, Y, and La) Nanoparticles. Journal of Physical Chemistry C, 2019, 123, 15323-15329.	3.1	19
9	Different Roles of Ce3+ Optical Centers in Oxyorthosilicate Nanocrystals at X-ray and UV Excitation. Crystals, 2019, 9, 114.	2.2	4
10	Anomalous enhancement of radioluminescence in Lu2-xYxSiO5:Ce3+ and ZnxMg1-xWO4 mixed oxide nanocrystals. Optical Materials, 2019, 98, 109455.	3.6	3
11	Hydrogen peroxide sensing using Ce3+ luminescence of cerium oxide (CeO2-x) nanoparticles. Optical Materials, 2018, 85, 303-307.	3.6	18
12	Limitations of Self-Regenerative Antioxidant Ability of Nanoceria Imposed by Oxygen Diffusion. Journal of Physical Chemistry C, 2018, 122, 16406-16411.	3.1	20
13	Energy migration processes in phosphate nanocrystals: Size and dimensionality dependence. Low Temperature Physics, 2018, 44, 438-443.	0.6	1
14	Quantum splitting in praseodymium-doped lanthanum aluminum dimetaborate crystals at X-ray excitation. Spectroscopy Letters, 2017, 50, 359-363.	1.0	3
15	Processes of excitation energy transport in EuPO4 and EuP3O9 nanocrystals. Low Temperature Physics, 2017, 43, 1009-1012.	0.6	5
16	Low-temperature spectroscopy of optical centers in cerium-yttrium (Ce1-xYxO2-x/2) and cerium-zirconium (Ce1-xZrxO2) oxides. Low Temperature Physics, 2017, 43, 636-640.	0.6	12
17	Processes of energy migration in mixed europiumâ€“lanthanum magnesium borate nanocrystals. Spectroscopy Letters, 2017, 50, 399-403.	1.0	3
18	Defect and intrinsic luminescence of CeO₂nanocrystals. Physica Status Solidi (B): Basic Research, 2017, 254, 1600488.	1.5	19

#	Article	IF	Citations
19	Oscillations of Cerium Oxidation State Driven by Oxygen Diffusion in Colloidal Nanoceria (CeO2Ââ˜Âx). Nanoscale Research Letters, 2017, 12, 566.	5.7	29
20	Influence of Zr-doping on the luminescence properties of ceria nanocrystals. , 2016, , .		0
21	Development of Nanocomposite Alpha-Detectors Based on Silica Matrices and Organic Scintillators. NATO Science for Peace and Security Series A: Chemistry and Biology, 2015, , 415-419.	0.5	0